

Claims

1. A balance of precision including
- (a) an elongate base having
- 5 (i) a first end and a second end; and
- (ii) a floor;
- (b) at least one auxiliary weight;
- (c) a fulcrum connected to said base and having an elongate edge positioned a distance above said floor of said base;
- 10 (d) an elongate beam assembly positioned on said fulcrum for turning about said fulcrum edge, said beam assembly including
- (i) a body member positioned over and including on elongate groove contacting said fulcrum edge to permit said member to turn about said edge,
- 15 (ii) a pair of spaced apart support arms attached to and outwardly extending from said member and each having
- an elongate upper edge,
- an outer end, and
- a notch formed in said outer end thereof,
- 20 (iii) a symmetrical pan having
- an upper lip, and
- a pair of ears extending outwardly from said pan, each ear normally riding in one of said notches such that said ear can turn in said notch and support said pan above said floor when said lever assembly is in equipoise,
- 25 (iv) a first scale arm attached to and outwardly extending from said body member and having an outer end generally positioned between said fulcrum and said wall and adjacent and level with said upper edge of said wall when said beam assembly is in equipoise, said scale arm including
- a measurement scale and weight slidably mounted thereon for

balancing said beam assembly when said beam assembly is in
equipoise,
an aperture formed in said measurement scale to receive
removably said auxiliary weight.

5

10

15

20

25